

SOLVE Webinar Agenda: Master Thesis Projects

Date: June 17th, 2024

Time: 13:00 - 14:30

Session 1: Introduction to SOLVE (13:00 - 13:05)

- Overview of SOLVE (Jonathan Staaf Scragg, Co-director of SOLVE, Uppsala University)

Session 2: Presentations (13:05 - 13:30)

1. Gustav Öhgren: "Improving snow loss modelling of photovoltaics" - RISE, Uppsala University, Bequerel Sweden
2. Tommy Tanapon Bredin: "PV potential in Sydöstra staden (Uppsala)" - Uppsala Kommun, Uppsala University
3. Benjamin Fejzic: "Solceller för fjärrvärme - lönsamhetsanalys av solceller i fjärrvärmenät för sala-heby energi" - Sala-Heby Energi, Mälardalen University
4. Abadi Kidanemariam: "Evaluation of PV-charged electric vehicles' electricity delivery potential for improving the power grid resilience" - Dalarna University

Session 3: Presentations (13:30 - 13:55)

5. Tilde Mårlid: "Potential production from photovoltaics on the buildings of the Church of Sweden" - Vattenfall, Church of Sweden, Uppsala University
6. Kanwal Yasir & Ghazal Ghobadi: "Sustainable Logistics: Evaluating the Impact of Passive Design and PV-Battery Systems on Carbon Footprint - Assessing a Swedish logistics centre using the technical criteria of BREEAM International V 6. ENE 04: Low Carbon Design Indicator" - AFRY/DVS, Dalarna University
7. Mojtaba Hakimi, Rashid Seraj: "Solenergi på mälarenergis pumpstationer – resan mot netto noll- ekonomisk och teknisk utvärdering av solpanelinstallationer på överbyggda pumpstationer" - Mälarenergi, Mälardalen University
8. Julian Plautz & Sudarshan Gamage: "Degradation of 30 year old PV modules and use of Electroluminescence Test Methodology" - Dalarna University

Break (13:55 – 14:00)

Session 4: Presentations (14:00 - 14:30)

9. Gustav Johansson: "Melting snow on PV modules with electrical heating to reduce snow loads and snow shading losses, with a special interest on commercial and industrial buildings" - RISE, Luleå Tekniska Universitet
10. Maja Olofsson, Karolina Flory Kjellin: "Solar PV and Battery Systems In Sweden: trade-offs between Self-Consumption and Frequency Ancillary Services" - CheckWatt AB, Chalmers
11. Vera Tornell & Ebba Axelsson: "Cybersafety of PV systems" - Vasakronan, Uppsala University
12. Mustafa Abdi: "Egenproducerad solenergi- bli mer självförsörjande med solceller" - Mälardalens University
13. Inas Al-Kamachy: "Load prediction of partially observed (digitalized) systems using machine learning" - Karlstad University

Closure